



**AB803**

**JUNE 2013  
JUN 2013  
JUNIO 2013**

**AIR DISC BRAKE PADS  
PLAQUETTES DE FREIN  
À DISQUE PNEUMATIQUE  
PASTILLAS DE FRENOS  
DE DISCO NEUMÁTICOS**



# Abex® Air Disc Brake Pads

The Ideal Choice for Outstanding Braking Performance.

Modern CV air brake systems generate enormous frictional forces and stresses during operation — far in excess of those present in hydraulic systems. That's why you need a CV brake pad specifically formulated for air brake applications.

Abex air brake pads have patented cast iron backplates and an integrally molded V-groove design which greatly improves heat dispersal and eliminates excessive material stress. When you need a brake that stops faster with enhanced durability for long lasting performance — Abex is the ideal choice for all of your commercial vehicle braking needs.

OE Material(s)  
Thermal Underlayer

Green Coating —  
for Rapid Bedding-In

V-Groove Design

Cast Iron Back Plate

- Global leader in OE applications
- Friction materials engineered for specific applications
- Compatible with ABS/ESP systems
- Safe and reliable
- High performance under most temperatures and conditions
- Reduces downtime
- Extended life and reduced rotor wear
- Includes complete hardware kit
- Meets R90 European Standards

New patented cast iron backplate technology  
for safer and more efficient braking performance

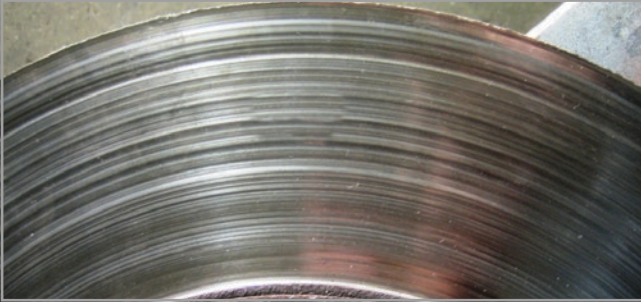
- Utilizes the latest advances in proprietary back plate cast iron technology
- Lighter than standard backplates
- Secure bond between pad material and backplate with less risk of corrosion

Secure Bond with Backing Plate



**The Future of CV  
Brake Technology.**





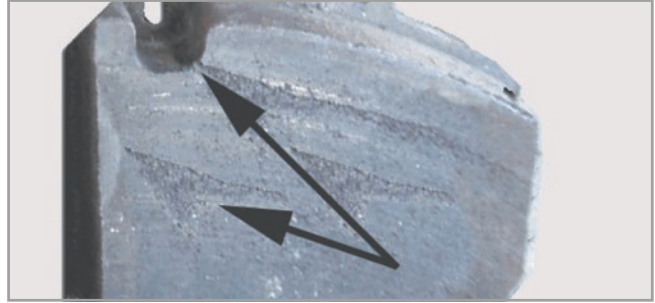
**APPEARANCE** Rotor featuring scored surface.

**CAUSE** Pads fitted with friction material too harsh for the rotor or new pads assembled on excessively worn out rotors.

**EFFECT** Reduction in braking performance and possible imbalance on the affected axle during braking.

**REMEDY**

- Replace the pads.
- Check rotor condition and minimum thickness. If necessary, replace the rotor.
- Check for the quality of the spare parts used.



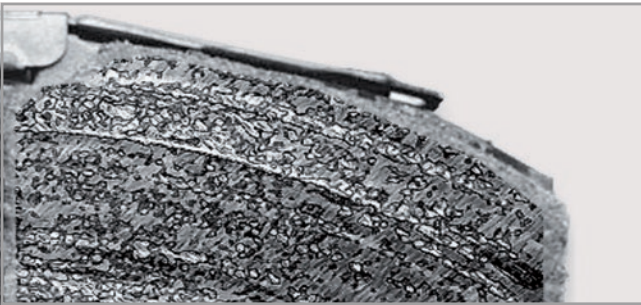
**APPEARANCE** Excessively worn out rotors and pads.

**CAUSE** Possible contamination of the friction material by sand, mud or earth or incomplete return of the caliper gear.

**EFFECT** Excessive wear of one or more brake pads, resulting in damage where the pad has not been fitted with a wear indicator.

**REMEDY**

- Replace the pads.
- Check rotor condition and minimum thickness.
- If necessary, replace both rotors on the axle.



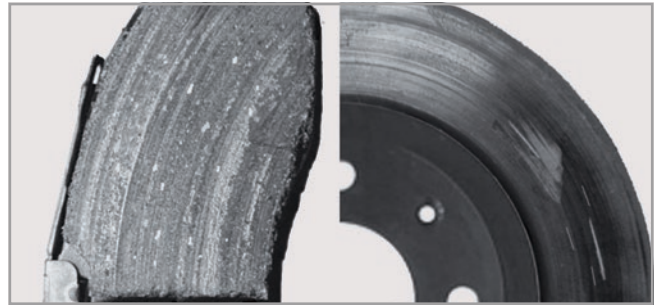
**APPEARANCE** Contaminated pad friction material.

**CAUSE** Contamination by an oily substance or solvent.

**EFFECT** Reduction in braking performance and possible imbalance during braking.

**REMEDY**

- Replace the pads.
- Check the rotors on the axle.
- Identify any fluid leaks from the hubs or other nearby components.



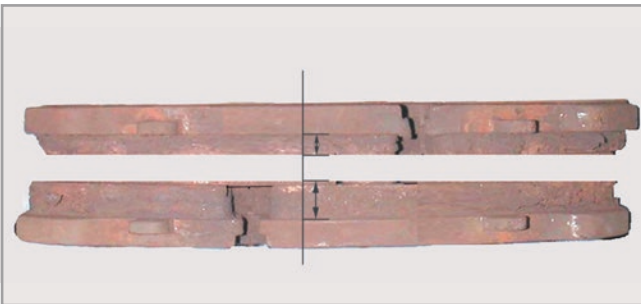
**APPEARANCE** Friction includes metal pick-up.

**CAUSE** High temperature generated between brake pad and rotor in wet conditions.

**EFFECT** Wear of the affected brake rotor with typical metal rubbing noise during braking.

**REMEDY**

- Replace the pads.
- Check rotor condition and minimum thickness.
- If necessary, replace both rotors on the axle.



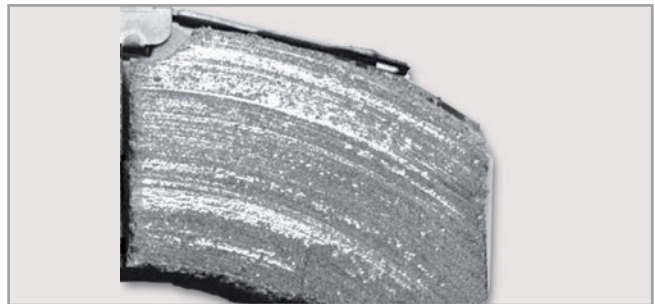
**APPEARANCE** Uneven brake pad wear.

**CAUSE** One of the calipers has become stuck or does not return correctly to the rest position.

**EFFECT** Reduction in braking performance and possible imbalance on the involved axle, during braking.

**REMEDY**

- Replace the pads.
- Brake calipers should be checked.



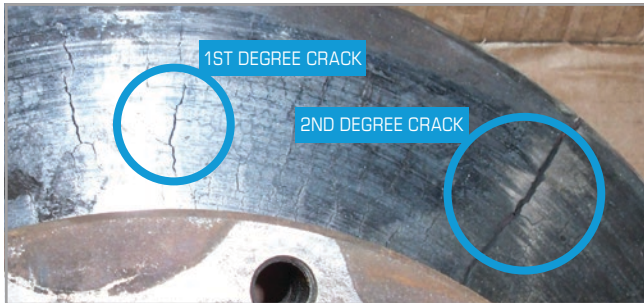
**APPEARANCE** Glazed pad friction material.

**CAUSE** Very low duty applied on the brakes, i.e. brake applications with low speed and low pressure.

**EFFECT** Reduction in braking performance and typical noise (squeal) while braking.

**REMEDY**

- If glazing is not too heavy can try to recondition the surface by some mileage of medium/hard brake duty, otherwise replace the pads.
- Check the rotor condition and minimum thickness.



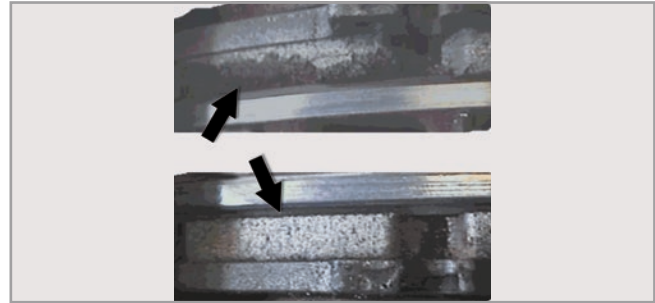
**APPEARANCE** Rotor surface features 1st and 2nd degree crack.

**CAUSE** Too intensive use of brakes due to the track features or to the carried load.

**EFFECT** Possible unexpected rotor mechanical collapse, particularly with 2nd degree crack.

**REMEDY**

- Immediate replacement of brake rotors and pads, particularly with 2nd degree crack, when one of the cracks is travelling from OD to ID.
- Brake calipers should be checked.



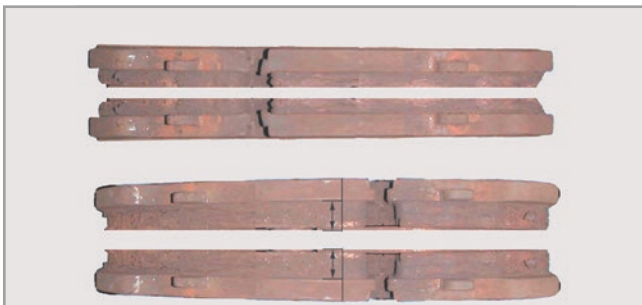
**APPEARANCE** Damaged edges to the friction material (edge-crumbling).

**CAUSE** Brake pad has become stuck in the caliper. The parts used do not comply with the correct sizes and specifications.

**EFFECT** Early pad deterioration and uneven rotor wear.

**REMEDY**

- Replace the pads.
- Check for correct caliper operation.
- Check rotor condition and minimum thickness.
- If necessary, replace both rotors on the axle.



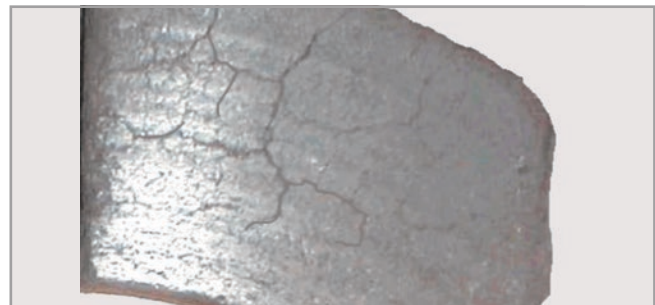
**APPEARANCE** Pads on the same axle featuring uneven wear.

**CAUSE** Incorrect return of one caliper on the same axle.

**EFFECT** If the axle involved is the directional one, this fault may result in vehicle instability during brake release.

**REMEDY**

- Replace the pads.
- Check for the proper caliper operation.
- Check rotor condition and minimum thickness.
- If necessary, replace both rotors on the axle.



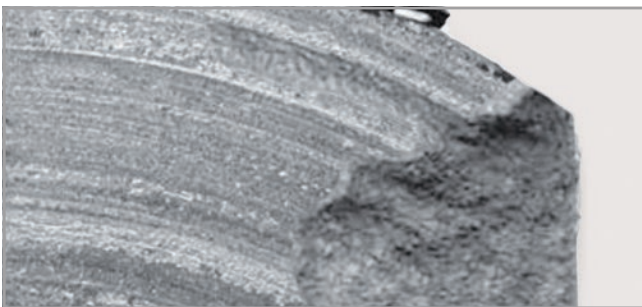
**APPEARANCE** Pad with surface cracks.

**CAUSE** Excessive load or high friction material temperature.

**EFFECT** Possible detachment of friction material resulting in a reduction in braking performance.

**REMEDY**

- Replace the pads.
- Check for correct caliper operation.
- Check rotor condition and minimum thickness.
- If necessary, replace both rotors on the axle.



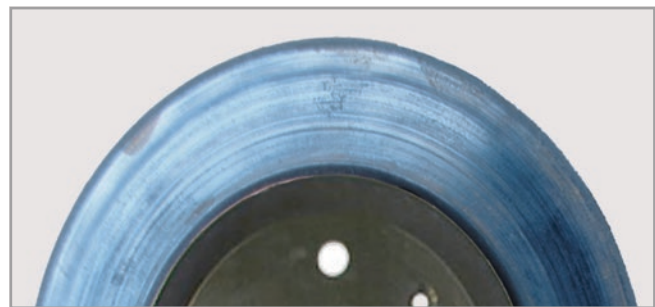
**APPEARANCE** Detached friction material.

**CAUSE** Possible excessive load or heavy braking, along with the choice of unsuitable parts.

**EFFECT** Reduction in braking performance and typical noise (squeal) while braking.

**REMEDY**

- Replace the pads.
- Check the rotor condition and minimum thickness.
- Despite having a wear indicator, it is necessary to check the pad condition during normal brake inspection and/or every six months.



**APPEARANCE** Blue stripes on the rotor indicating a physical change due to overheating.

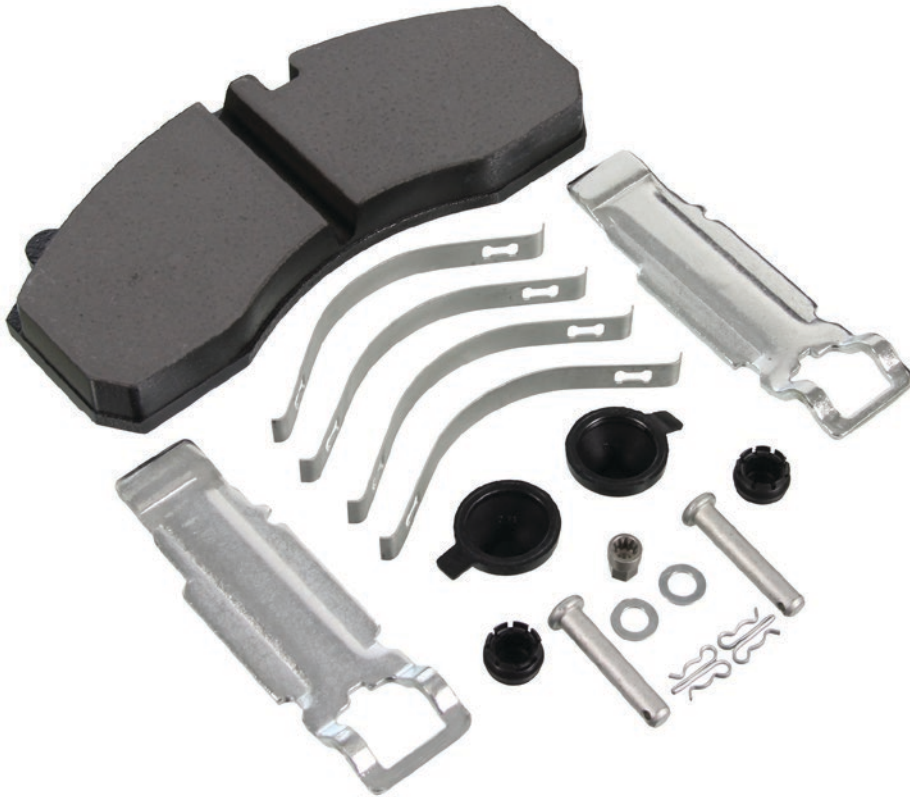
**CAUSE** Intensive use of brakes for prolonged braking or improper downhill braking.

**EFFECT** Brake rotor overheating which may result in contact surface distortion and cracks.

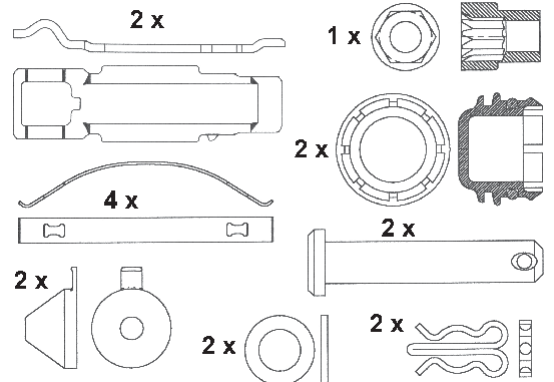
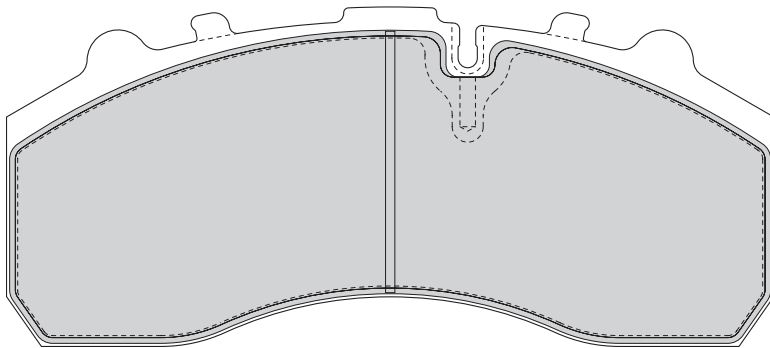
**REMEDY**

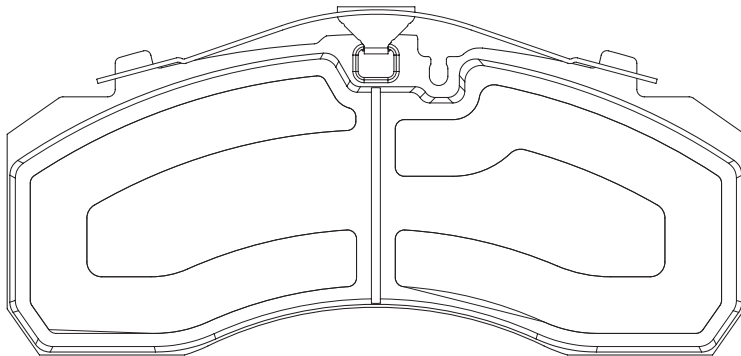
- Immediate replacement of brake rotors and pads.
- During the first 150 miles after replacement, sharp braking should be avoided in order to allow for the correct bedding-in of the newly fitted components.





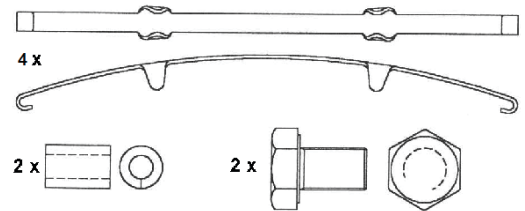
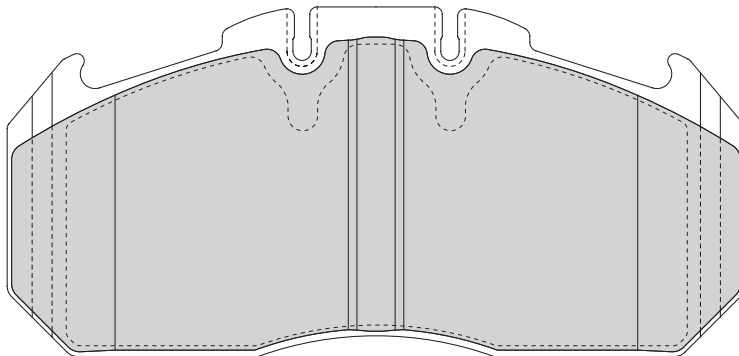
Brake Pad:	ADB1203FE
Type:	Knorr SB/SN7
Applications:	City Bus
X-ref:	5013257
FMSI:	8323-D1203
WVA:	29179
Material:	4567
Comments:	Includes OE style Hardware Kit





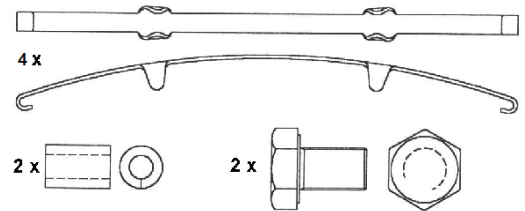
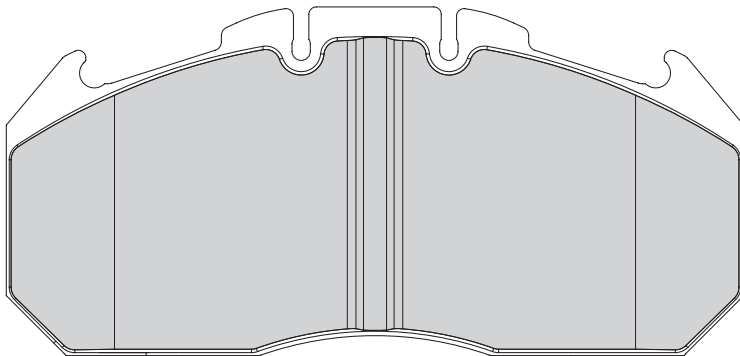


Brake Pad:	ADB1310FE
Type:	Meritor D-Elsa 2
Applications:	City Bus
X-ref:	MDP5097 N508206052
FMSI:	8425-D1310
WVA:	29156
Material:	4567
Comments:	Includes OE style Hardware Kit





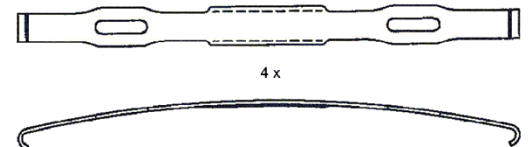
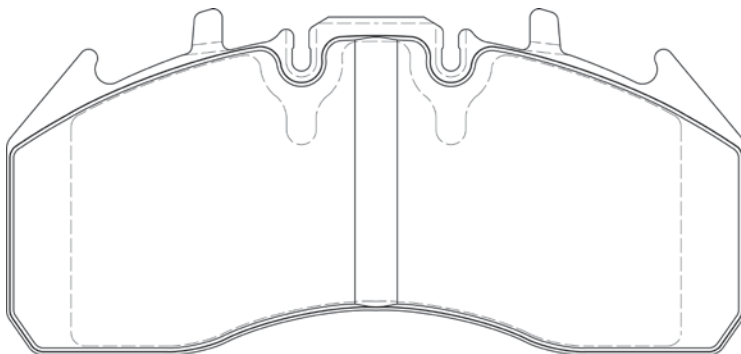
Brake Pad:	ADB1310AFE
Type:	Meritor D-Elsa 2
Applications:	Over-the-Road Coach
X-ref:	MDP5060 N508206051
FMSI:	8425-D1310
WVA:	29156
Material:	4568
Comments:	Includes OE style Hardware Kit

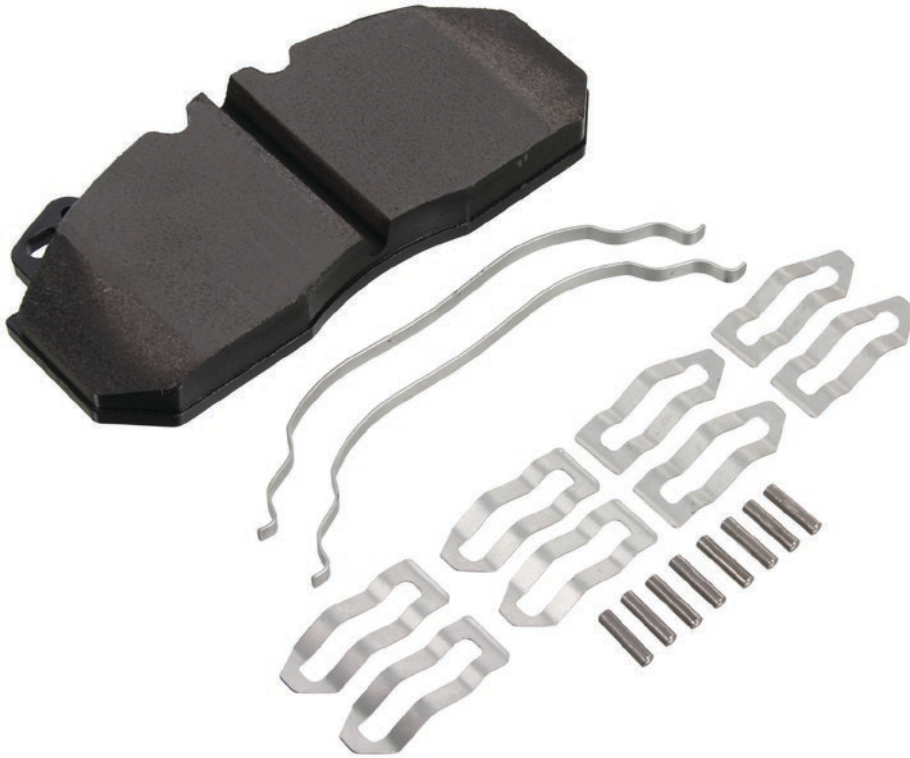




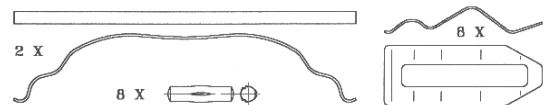
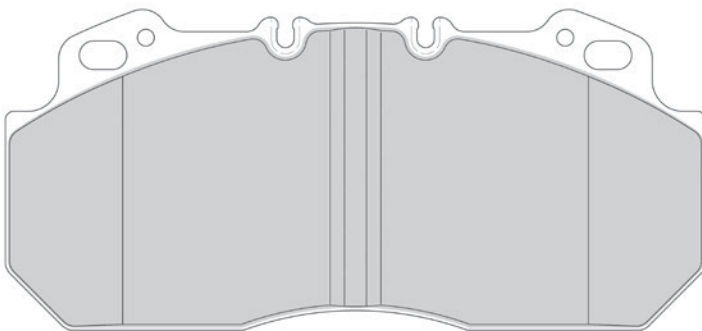


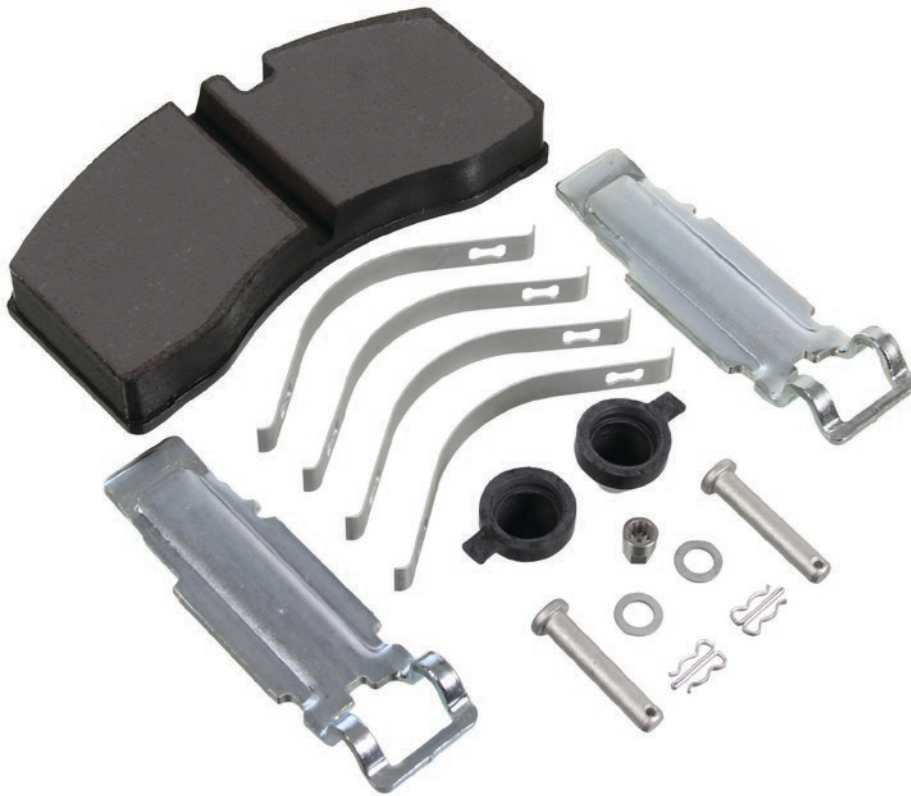
Brake Pad:	ADB1311
Type:	Meritor EX225H2
Applications:	Bus and Coach
X-ref:	Meritor KIT2252H2CD MCI #04-01-1113
FMSI:	8426-D1311
WVA:	29187
Material:	4576
Comments:	Includes OE style Hardware Kit



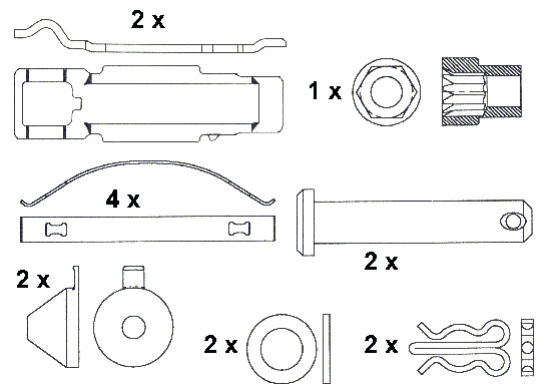
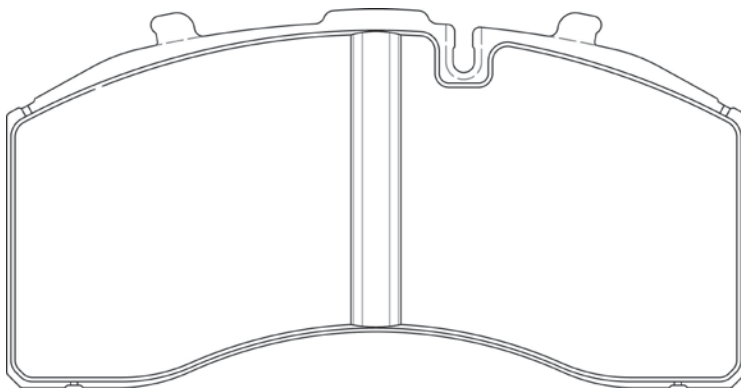


Brake Pad:	ADB1312
Type:	Meritor D-Lisa
Applications:	City Bus
X-ref:	68932068NZP
FMSI:	8427-D1312
WVA:	29090
Material:	4567
Comments:	Includes OE style Hardware Kit





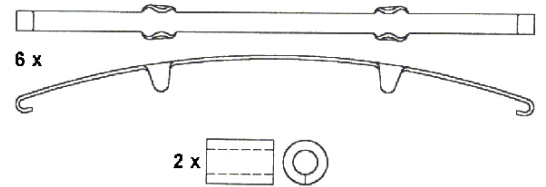
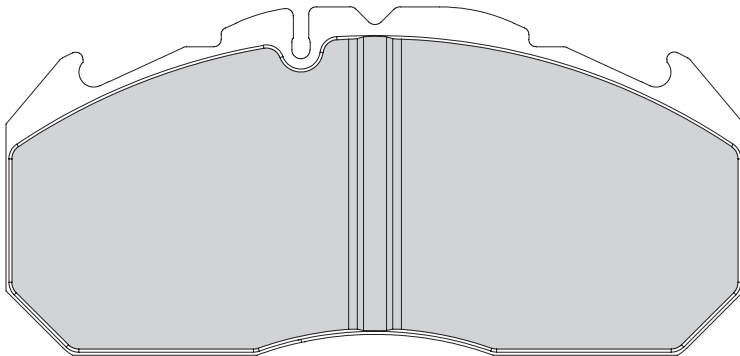
Brake Pad:	ADB1369
Type:	Bendix® ADB22XTM™ Knorr SK7
Applications:	SAF Tractor-Trailer
X-ref:	802078, K070796
FMSI:	8479-D1369
WVA:	29158
Material:	4550
Comments:	Includes OE style Hardware Kit

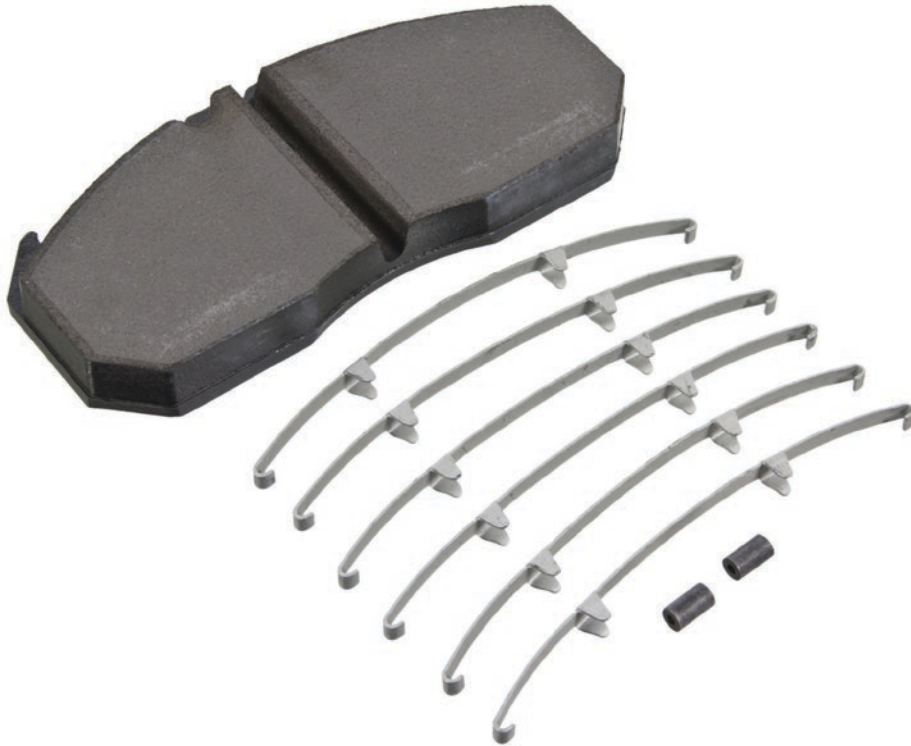




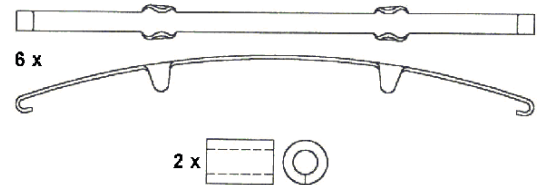
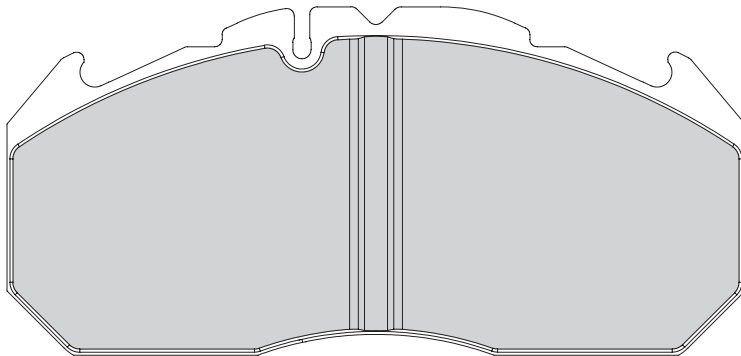


Brake Pad:	ADB1407FE
Type:	Meritor D3/D-Elsa1
Applications:	City Bus
X-ref:	MDP5065
FMSI:	8515-D1407
WVA:	29210
Material:	4567
Comments:	Includes OE style Hardware Kit



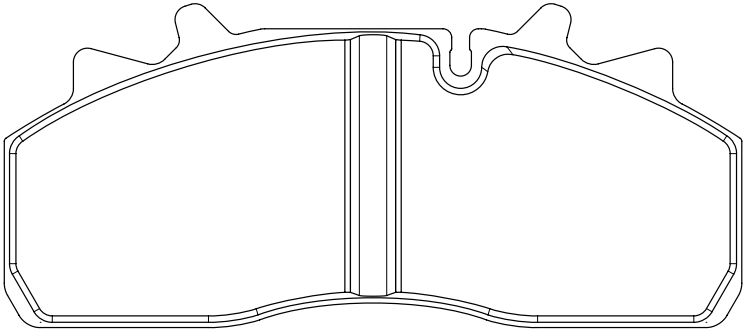


Brake Pad:	ADB1407AFE
Type:	Meritor D3/D-Elsa1
Applications:	Over-the-Road-Coach
X-ref:	MDP5038
FMSI:	8515-D1407
WVA:	29210
Material:	4568
Comments:	Includes OE style Hardware Kit





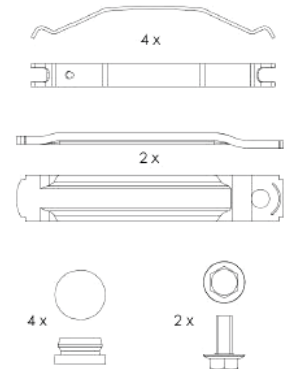
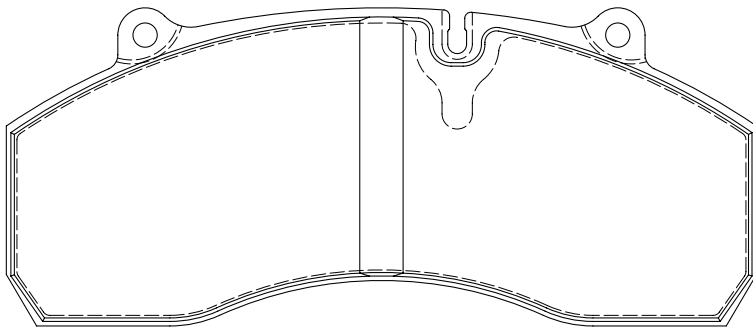
Brake Pad:	ADB1438
Type:	Wabco Pan19-1
X-ref:	12999737VT
FMSI:	8556-D1438
WVA:	29159
Material:	4569
Comments:	No Kit





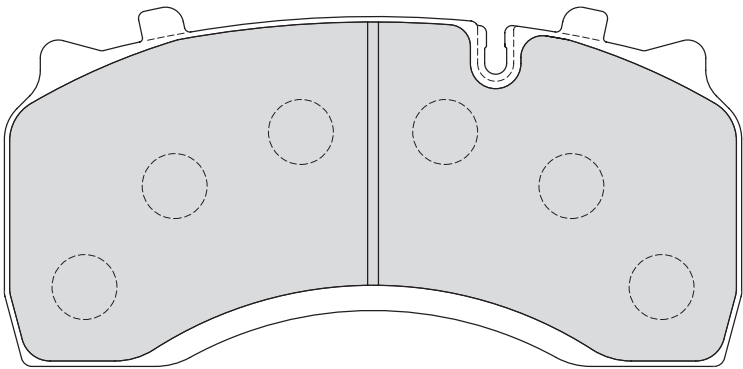


Brake Pad:	ADB1441
Type:	Bendix® ESD-225™
X-ref:	976003
FMSI:	8577-D1441
WVA:	29120
Material:	4550
Comments:	Includes OE style Hardware Kit



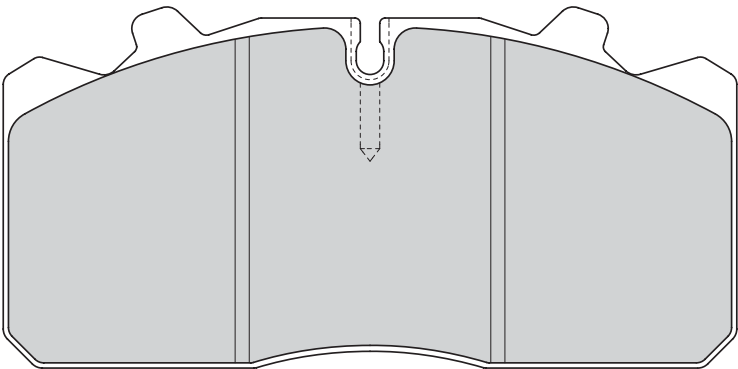


Brake Pad:	ADB1517
Type:	Wabco Pan19-2
X-ref:	12999747VT
FMSI:	8726-D1517
WVA:	29141
Material:	4572
Comments:	No Kit





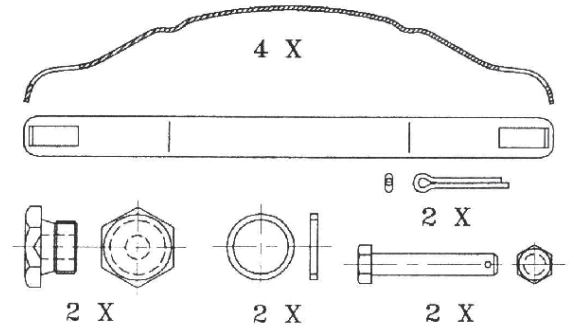
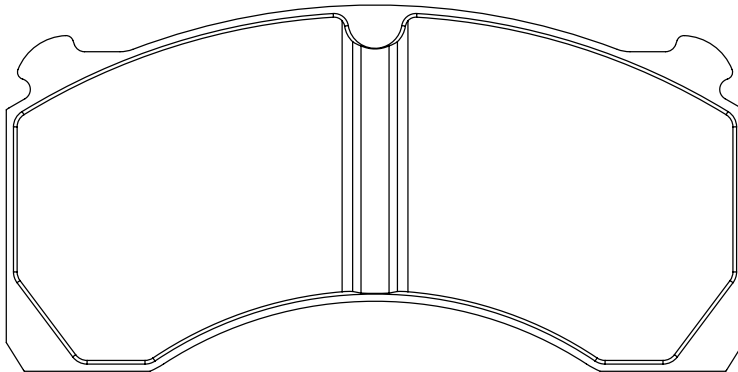
Brake Pad:	ADB1518
Type:	Wabco Pan17
X-ref:	12999703VT
FMSI:	8727-D518
WVA:	29088
Material:	4551
Comments:	No Kit





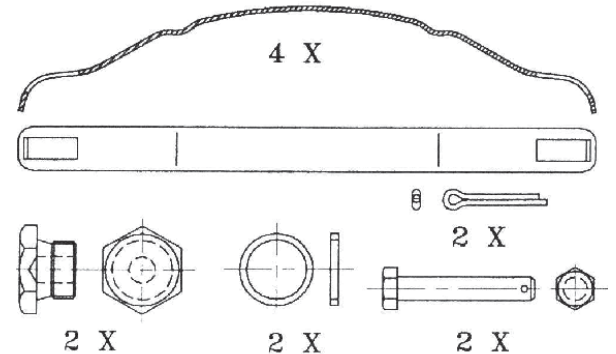
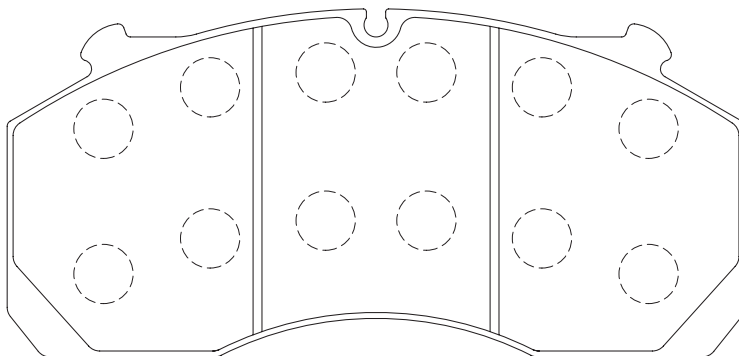


Brake Pad:	ADB1525FE
Type:	Meritor DX195
X-ref:	KIT 195020
FMSI:	8733-D1525
WVA:	29155
Material:	4550
Comments:	Includes OE style Hardware Kit



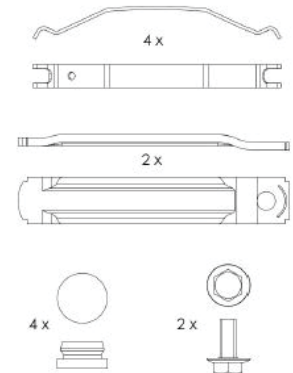
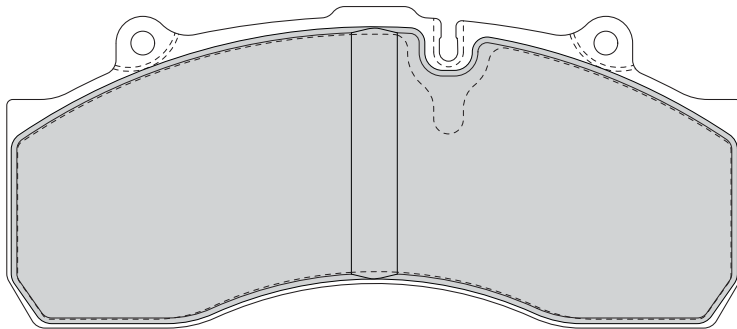


Brake Pad:	ADB1526
Type:	Meritor DX225
X-ref:	KIT225020
FMSI:	8734-D1526
WVA:	29150
Material:	4567
Comments:	Includes OE style Hardware Kit





Brake Pad:	ADB1527
Type:	Haldex ModulX® DB22
X-ref:	790-22008
FMSI:	8735-D1527
WVA:	29143
Material:	4550
Comments:	Includes OE style Hardware Kit





Competitor	Competitor Part	Abex Part	Competitor	Competitor Part	Abex Part
Prevost	611049	<b>ADB1203AFE</b>	Marathon	CBP-MTR225	<b>ADB1311</b>
Prevost	611049	<b>ADB1203FE</b>	Marathon	CBP-PRV01	<b>ADB1203AFE</b>
Bendix	976003	<b>ADB1441</b>	Marathon	CBP-PRV01	<b>ADB1203FE</b>
MCI	04-01-1019	<b>ADB1312</b>	Marathon	CBP-RN01	<b>ADB1312</b>
MCI	04-01-1113	<b>ADB1311</b>	Fritec	CFD-F120	<b>ADB1312</b>
Meritor - Wabco	12999703VT	<b>ADB1518</b>	Fritec	CFD-F280	<b>ADB1311</b>
Meritor - Wabco	12999737VT	<b>ADB1438</b>	Bendix	K070796	<b>ADB1369</b>
Meritor - Wabco	12999747VT	<b>ADB1517</b>	Meritor	KIT195020	<b>ADB1525FE</b>
Textar	292021	<b>ADB1203AFE</b>	Meritor	KIT225020	<b>ADB1526</b>
Textar	29202-300 1 4 T7400	<b>ADB1203AFE</b>	Meritor	KIT2252H2CD	<b>ADB1311</b>
Bendix	5013257	<b>ADB1203AFE</b>	Meritor	MDP5019	<b>ADB1312</b>
Bendix	5013257	<b>ADB1203FE</b>	Meritor	MDP5038	<b>ADB1407AFE</b>
Meritor	68932068NZN	<b>ADB1312</b>	Meritor	MDP5042	<b>ADB1312</b>
Haldex	790-22008	<b>ADB1527</b>	Meritor	MDP5060	<b>ADB1310AFE</b>
Bendix	802078	<b>ADB1369</b>	Meritor	MDP5061	<b>ADB1312</b>
Performance Friction	9175.10	<b>ADB1407AFE</b>	Meritor	MDP5065	<b>ADB1407FE</b>
Performance Friction	9175.10	<b>ADB1407FE</b>	Meritor	MDP5097	<b>ADB1310FE</b>
Performance Friction	9178.10	<b>ADB1203AFE</b>	Van Hool	N508206044	<b>ADB1407FE</b>
Performance Friction	9178.10	<b>ADB1203FE</b>	Van Hool	N508206046	<b>ADB1407AFE</b>
Performance Friction	9178.10	<b>ADB1203FE</b>	Van Hool	N508206051	<b>ADB1310AFE</b>
Performance Friction	9183.10	<b>ADB1312</b>	Van Hool	N508206052	<b>ADB1310FE</b>
Performance Friction	9190.10	<b>ADB1310AFE</b>	WVA	29179	<b>ADB1203AFE</b>
Performance Friction	9190.10	<b>ADB1310FE</b>	WVA	29179	<b>ADB1203FE</b>
Raybestos	ATD1203HD	<b>ADB1203</b>	WVA	29158	<b>ADB1369</b>
Raybestos	ATD1310HD	<b>ADB1310</b>	WVA	29120	<b>ADB1441</b>
Raybestos	ATD1310HD	<b>ADB1310AFE</b>	WVA	29143	<b>ADB1527</b>
Raybestos	ATD1311HD	<b>ADB1311</b>	WVA	29210	<b>ADB1407AFE</b>
Raybestos	ATD1312HD	<b>ADB1312</b>	WVA	29210	<b>ADB1407FE</b>
Raybestos	ATD1369HD	<b>ADB1369</b>	WVA	29156	<b>ADB1310AFE</b>
Raybestos	ATD1407HD	<b>ADB1407</b>	WVA	29156	<b>ADB1310FE</b>
Raybestos	ATD1407HD	<b>ADB1407AFE</b>	WVA	29187	<b>ADB1311</b>
Bendix	ADB22X	<b>ADB1369</b>	WVA	29090	<b>ADB1312</b>
Marathon	CBP-HDX01	<b>ADB1310AFE</b>	WVA	29155	<b>ADB1525FE</b>
Marathon	CBP-HDX01	<b>ADB1310FE</b>	WVA	29150	<b>ADB1526</b>
			WVA	29088	<b>ADB1518</b>
			WVA	29159	<b>ADB1438</b>
			WVA	29141	<b>ADB1517</b>

**Engineered For Maximum  
Braking Power and  
Minimum Cost Per Mile.**



## **Drum Brake Block**

The first choice of demanding,  
quality-conscious fleets



## **RSD Drum Brakes**

Specifically designed to  
meet the FMVSS 121  
RSD regulation



## **Air Brake CV Pads**

Enhanced durability for long lasting  
performance



## **Stop Box Kits**

The complete braking  
solution – eliminates  
guesswork and parts hunting



**TECHNICAL INFORMATION**



**HOTLINE**

1-800-325-8886

U.S. and  
Canada Only

